Topics

LA 99ers COMPUTER GROUP Newsletter

VOL. 4 NO 10 OCT 1985

Los Angeles/San Fernando Valley Ca.

TERRIE'S CORNER

Teresa Masters President

I HAVE SEEN THE FUTURE, WE ARE IT!

BLACK FRIDAY, A COMMEMORATION
OCT 19, 20 TI FEST WEST SHRINE EXOSITION HALL, 700 W.32 ST. LOS ANGELES 10A-6PM
Come join us LA 99er COMPUTER GROUP, MILLERS GRAPHICS, MYARC, all will be represented with booths. Come see the now and the future of our community. Craig Miller will represent his excellent software/hardware company, Les Merryman will represent Myarc. Both will show the latest developments under their banner. This is your opportunity to see in the flesh and hands on the new products. Join us and other 99/4A owners together we will prevail for a long time. Within this newsletter there is a flyer with a discount ticket for this event. The fee for one day will cover admission to both days. Other User Groups are asked to reproduce this for their members. We ask all Southern California User Groups to represent themselves so people from other areas can meet them and join their groups.

PHILADELPHIA USER GROUP,
This fine, active group recently scheduled an eight hour Assembly language seminar, with Mack McCormick as the leader. This alone was the reason I made the decision to buy the ticket, fly to the East Coast and attend the seminar. Believe me, it was the best decision I have made in a long time. I was able to tandem the seminar with a trip to the Myarc facility. What a dynamite duo. The seminar was extremely well attended, Mack was an incredible draw. The wonderful people I met and spent hours talking to will be familiar to many of you. Paul Charlton, the programmer behind Fast-Term, X-Modem, in my opinion a budding genius in both software and hardware. In the near future we will have access to a minor hardware change to our console that will speed it up in some applications 3 times!!! Chris Faherty, the brains behind TI-ARTIST. Chris demonstrated TI-ARTIST2, this will soon be available at an incredible $5.00 trade-in for your original disk. Howie Rosenberg, a Forth and Music expert within our community, Barry Traver, the gentleman behind the soon to be issued DISKAZINE, a magazine on Disk. What heady company to be among. Tom Burke, President of the Philadelphia Group, his sweet disposition and the cooperation of-all the members and no, I repeat no visiting person found it necessary to stay in a Motel. Philadelphia club members opened their homes to the visitors, and much midnite oil was burned. I thank them for their hospitality, it was great. Many of us met one another for the first time and it was incredible to see the respect and friendship flow. There will certainly be many good things for all of us in the future as a result of this communion. I will keep in very close touch with the people I met and will be able to keep us all up to date on happenings. My gratitude to all involved.

CHICAGO TI-FEST
November 2, Chicago is once again doing their one day TI-Fest, I also plan to attend this gathering of the strong hearted. Those of us who know the value of what we own, and by our action show all we are a vital purchasing force. This is the first time I will attend this fest and will report on it in the November newsletter.

We are welcoming a new International member, Stephen Shaw of Great Britain. Stephen is a software programmer and author of Getting Started with the Texas TI-99/4A. Keep an eye out on our Library list for the addition of some of Stephen's programs. We have Ray Kazmer to thank for this, he made the suggestion and we ran with it.

It is time for recognition of our quiet but fruitful editor Chick De Marti, the consistently fine quality of this newsletter has brought on board as members by mail, Howie Rosenberg, Mack McCormick, Barry Traver, these fine names within our community will also be adding to this FIRST CLASS NEWSLETTER. Many thanks to Chick and all the contributing LA/SFV Members. I applaud you all and say keep it up, many appreciate you.

About Myarc and the new Computer, I believe Lou Phillips deserves the privilege of the announcement. I will indeed truthfully answer any question asked of me prior to the "official" notice.

See you at the Shrine, BE THERE.

MARKETPLACE

SDD DISKS	1. 00
EAC 55B DISK DRIVES	100. 00
G ADVANCED DIAGNOSTICS	18. 50
G EXPLORER	22. 50
I ARTIST	15. 00
I ARTIST SUPER SKETCH DSR	6. 00
YARC RS232 CARD	82. 00
YARC DD CONTROLLER CARD	155. 00
YARC 128K RAM DISK	175. 00
AMS BOOKS VARIOUS TITLES	5. 00

The Marketplace is available to any User Group member, please include 6.5% tax for California residents, both in and out of state add shipping based on size.

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

FOR SALE! FOR SALE! FOR SALE! TI 99/4A Console (Black & silver)--$40
PE Box w/RS232, 32K, Disk Cont.,1 Disk Dreive--$375 TI Writer--$25
TI Modem w/TE 2 and approx. 3 hrs COMPUSERVE--$45 Editor Assembler--$25
Panasonic KXP1090 printer (friction feed)--200 Multiplan--$25
TI LOGO 2-- $25 Various cassette Software--$5 CALL (213) 477-3506

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

P-CODE CARD (used 9 hrs. Will give UCSD PASCAL System to buyer of card
Call....(213) 374-9826

SAN FERNANDO VALLEY TI99 COMPUTER USERS GROUP

CLUB NEWS

The SFV 99ers normally meet the second Tuesday of the month, 7:30 PM, in the first floor Doctor's Conference Room, Sherman Oaks Community Hospital, 4929 Van Nuys Blvd., Sherman Oaks

Mail Address: PO Box 1844, Canyon Country Ca. 91351

OFFICERS			
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WHAT YOU MAY HAVE MISSED at the September meeting of the SFV 99ers (if you weren't there) were: a session on Multiplan and Data Base Mamagement by Ken Koenig; an always interesting Craig Miller (of Miller Graphics) with an outstanding demonstration of ADVANCED DIAGNOSTICS, EXPLORER and the latest MG gem called GRAM KRACKER (not in production yet). GRAM KRACKER will be just about the ultimate in GROM "busting", giving the capability of copying any Command Module onto disk, diskette or even cassette.

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Time for SFV 99ers to start thinking about who you want for club officers next year. It is rumored that none of the present officers will be available for next year, so if you are interested in any office or have someone you would like to suggest, contact Jim Berry.

The Nominating Committee will go to work in December and the election will be at the January meeting.

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Like most other activities, interest in the SFV 99er Library has al-dwindled to zero over the summer. Could it be that all the members have all the programs they want? If so, how about donating some (that we don't have) to the Library. Pass on any Public Domain or Freeware programs to one of the librarians and receive two programs for every one accepted! See Alice Cassidy for program donation or request forms.

At the price of $1.00 each for purchased program, it is a very good buy and provides some important income for the club.

****

I WISH I HAD:

W/2. a program that would project a grid on a screen, let me draw building floor plans on it and then print them. (Jan Williams SFV 99ers; Jim Szydlowski, St. Louis 99ers)

W/5. back issues of "Power of ES (Electronic Spreadsheets)". (Alice Cassidy, SFV 99ers)

W/7. an update to TI WRITER that would ring a "bell" at about the 76th column, to warn me that I'd better stick in a hyphen because I'm about to wrap "disestablishmentarianism" onto the next line and leave the present line half empty! (Jim Peterson, TIgercub Software)

W/8. a program to calculate probabilities. (Jim Peterson, TIgercub Software)

W/11. a communicate by mail Genealogy S.I.G. Exchange of ideas and material. (James Oliver Cash, 7118 Crestimbers Trail, Roanoke Va. 24019)

W/14. a program (like Apple II "Print Shop") that allows me to compose a screen "pasteup" of predefined graphic figures, borders and words; then print for use as greeting cards, announcements, ads, etc. (Kent Sheets, Curtice, Ohio)

W/17. some good math and science programs for teenagers at Jr. and Sr. High levels. So many programs that say 7, 8, or 9th grade, turn out to be about 4 or 5th grade.(Barbara Voorhees, LA 99ers)

W/24. a program to load into low memory and used in Extended Basic to provide any (and hopefully all) of the following: calculation, calendar/schedules, notepad and settable "real-time" clock. (Bill Harms, Chino, Ca.)

If you can suggest a source, give a solution, supply it, comment on any of the above or if you have a 'WISH', contact or send to Ken Johnson; 23424 Happy Valley Dr.; Newhall, Ca. 91321. (SFV 99ers). If a WISHer receives information directly or from their own efforts reach FULFILLMENT of their WISH, please contact me so I may pass it on.

---COMMENTS AND FULFILLMENTS---

Well, we seem to be still into summer vacation, with no comments or fulfillments. We did receive one new WISH (W/24), but no help for the WISHers.

TIPS

IF THE PROGRAM DOES NOT "RUN"

Have you tried the TRACE COMMAND? If you haven't then you are disregarding one of the best tools for trouble shooting. In fact, if you have never used the TRACE Command, it would be a good idea to try.

Ray Kazmar
13225 Azores Ave.
Sylmar California 91342

Dear Rdy,

Thanks for the programs. They are VERY good and I really enjoyed them. It is a fair trade. Actually, the program known as "Tomb of Death" was not freeware. Do not pass this one around. About your question on Freeware. I have marketed two TOD games - one freeware and the other by direct sale. I would like to see Freeware work but to be perfectly honest with you, I made 10 times as much with the non-freeware program. If you plan to distribute a program to make $$$, don't do it as Freeware unless you have no choice. The Freeware concept is a GREAT idea but unfortunatly falls prey to the fact that most people will NOT pay for a program that they already have. About 15 people sent me $5 for one of my games while with the other, I recieved over 50. The Freeware program was BETTER! It is sad to think that people will not even send $5 for a good program. I am now releasing programs either as Public Domain or through Asgard Software. Most of my programs are and will be Public Domain. I feel that if you only asked $1 for a Freeware program, you would still get the same response. It's not the $$$ but rather the fact that people who will send the $$$ don't mind the price. I myself fall victom to the same thing. I hesitate to send someone some $$$ and I put it off for another time which never seems to come. Well it still is being tested by others and I wish them all the success in the world along with you also. The 10% theory you spoke of is an overstatement. You should expect more like 2%. It is hard to keep track of how many people have your programs but I know that over 400 have my freeware. I did this by noting how many times it was downloaded off of bulletin boards and by the money I recieved. 15/400+ - Not too well. I hope I'm wrong! I hate to talk this way so that's all I'll say on the subject. About your programs. I would recommend you try and market them. I specifically think the Cannonball Chess program is GREAT! It is a good strategy game and never have I had so much fun by only reading the instructions. Balloon Voyage is not very excited and Ranger is good but a little slow (but still very good). Webster is also very good. But of all I loved your Cannonball Chess. What an original idea. You could make some good money off this if that is what you want, but not by freeware. The market for freeware games is even smaller than the utilities. Try a company. If not, try freeware. I don't think you could sell it on your own. The only reason I was able to make any money off the TOD programs is because they were original and not available elsewhere. Well, I wish you all the luck in the world. You are a very talented programer and I would like to see more of your work for the TI computer. I am the librarian of The Chicago TI Users Group and I will be putting your programs in the group library for others to enjoy. If you have any objections to this, let me know.

Sincerly

John Behnke

MIND BENDER

by Ernie Howell <from Wiregrass UG Newsletter 10/83>

For all those people who enjoy working crossword puzzles, you might enjoy playing around with one of our programs called "WORD SEARCH".

The program leaves all control (almost) to the computer operator, by utilizing simple instructions like:

1. How many rows within the puzzle
2. How many columns within the puzzle
3. How many words to put into the puzzle

Working within a loop, the program allows you to input the number of words selected - if by chance your word will not fit - a message appears on the screen and you are allowed to select another word.

After all processing is completed the hidden words are displayed only if the word <PLEASE> is entered. Words will be twisted in any straight line direction. If you don't key in PLEASE, only the word list is shown.

As an example you might like to challenge the mind with the following - and to make your answers more interesting, a list of definitions are given to replace the words. Select the word for the definition, then look for that word in the scramble and circle it. Good-luck!

-a unit of signaling speed
-number system utilizing only zero and one
-binary digit
-arithmetic logic unit
-business designed programming language
-mathematical designed programming language
-a collection of related records
-a group of related facts or fields
-an array of data
-a storage device capable of holding a specified amount of data
-a series of instructions telling the computer, in minute detail, how to process data
-system of representating and communicating information between people and/or machine
-a sequence of instructions executed repeatedly until terminated
-boundary between automatic data processing systems as part of a single system

```
Q W N A R T R O F I W F
R O L A N G U A G E F P
R G V B E L I F K N R L
J L D T A X N U R O T P
W R R E C O R D G A E A
I V E F Y M D R B A T B
J F M T P C A L M U A M
X P X T S M E M O U P P
D A D Q T I B G D B K C
C T P O O L G U Q K O W
A R E C A F R E T N I C
V Z B I N A R Y R H E E
```

The imigination is the limit, as a crossword puzzle could be made - the random letters could be darkened squares with instructions to print all words either horizontal or vertical. If your printer isn't a parallel printer, lines 910 and 2100 must be changed to OPEN #1:"PIO".

<answers next month>

FORTH

FORTH Editor Changes

I have a friend at work, Dave Wolfe, who plays around with FORTH a lot on his 4A. He's even fixed it up so he can use it from a 80 colum terminal he has at home, through the RS232 port. He recently saw a copy of the San Antonio area users group newsletter in which changes to the FORTH editor were described which allow autorepeat keys. Dave typed the program in, discovered some typos in the SAA version which he fixed, found some bugs, one of which was in the orginal FORTH editor, and has passed the results to me to give to you. This version of the editor is 6 screens long. You'll either need to compress the spaces in the program as you type it in or put the editor into different screens on the disk. If you do the latter, don't forget to go back and change the EDIT word.

The two bugs were that the word tabs feature of the editor left garbage on the stack (this is the orginal problem). The SAA editor wasn't checking for the back tab key, placing garbage on the screen.

By the way, what do you think of Dave's FORTH program to dump FORTH screens to regular 99/4A files?

```
Screen #101
  0 ( SCREEN EDITOR 09JAN85 DAA) 0 CLOAD ED
  1 BASE->R DECIMAL 33 R->BASE CLOAD RANDOMIZE
  2 VOCABULARY EDITOR4 IMMEDIATE EDITOR4 DEFINITIONS
  3 BASE->R DECIMAL   0 VARIABLE S_H   0 VARIABLE ER  0 VARIABLE EC
  4 0 VARIABLE BLINK  0 VARIABLE OKEY  0 VARIABLE CC 10 CONSTANT RL
  5 50 CONSTANT RH  0 VARIABLE KC  RH VARIABLE RLOG  HEX
  6
  7 : BOX 8F7 8F1 DO 84 I VSBW LOOP ;  DECIMAL
  8 : CUR R# ;
  9 : !CUR 0 MAX B/SCR B/BUF * 1- MIN CUR ! ;
 10 : +CUR CUR  + !CUR ;
 11 : +LIN CUR  C/L / + C/L * !CUR ;
 12 : FTYPE 40 * 124 + SWAP VMBW ;
 13 : LISTA DECIMAL 0 0 GOTOXY DUP SCR !
 14   ." SCR # " . CR CR CR 16 0 DO I 3 .R CR LOOP ;
 15 R->BASE -->


Screen #102
  0 ( SCREEN EDITOR 09JAN85 DAA)  BASE->R  DECIMAL
  1
  2 : ROWCAL S_H  IF 29 + ENDIF ;
  3 : LINE. DO I SCR  (LINE) DROP ROWCAL 35 I FTYPE LOOP ;
  4 : LISTB L/SCR 0 LINE. ;
  5 : HCHR >R >R SCRN_WIDTH  * + SCRN_START  + R> R> VFILL ;
  6 : GCHR SCRN_WIDTH  * + SCRN_START  + VSBR ;
  7 : CURSOR >R EC  ER  1 R> HCHR ;
  8 : RKEY BEGIN ?KEY -DUP 1 BLINK +! BLINK  DUP 60 < IF 30 CURSOR
  9   ELSE CC  CURSOR ENDIF 120 = IF 0 BLINK ! ENDIF IF KC  1 KC
 10   +! 0 BLINK ! IF RLOG  KC  < IF RL RLOG ! 1 KC ! 1 ELSE
 11   OKEY  OVER = IF DROP 0 ELSE 1 DUP KC ! ENDIF ENDIF ELSE 1
 12   ENDIF ELSE RH RLOG ! 0 KC ! 0 ENDIF UNTIL DUP OKEY ! DUP 31
 13   > OVER 127 < AND IF DUP CURSOR ELSE CC  CURSOR ENDIF ;
 14 R->BASE -->
 15
```


K. TIP: Editor/Assembler. Another undocumented feature has been found. In the Assembler when asked for the OPTION, you type RLS (for Registers, List and Symbol table dump). You may also type in " T " for full TEXT, which gives you each byte rather than just the first one in each line.

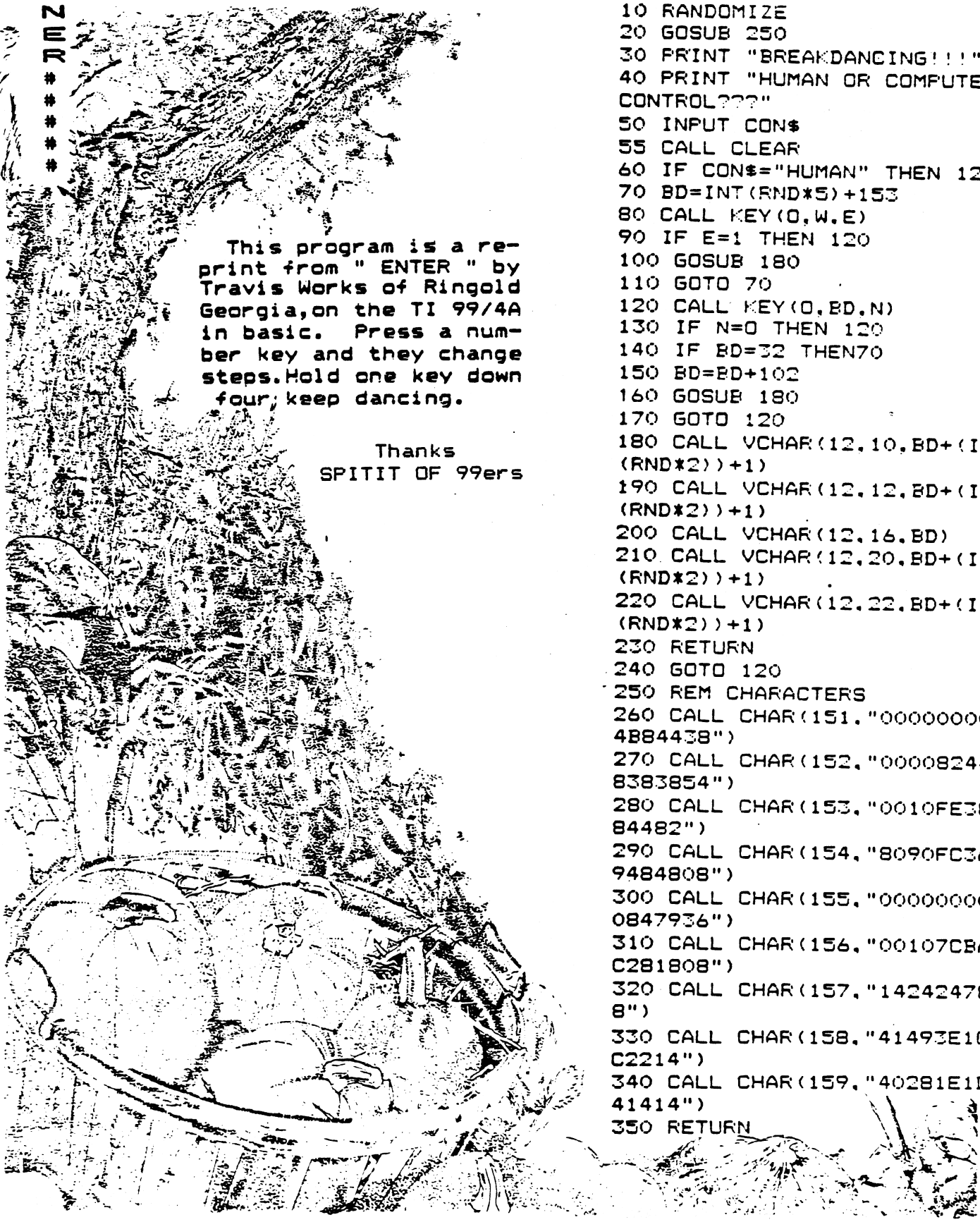
SAN ANTONIO U.G.

```
Screen #103
  0 ( SCREEN EDITOR 09JAN85 DAA)  BASE->R DECIMAL
  1 : LISTL BASE->R LISTA 4 1 GOTOXY
  2     ."           1         2         3     " 4 2 GOTOXY
  3     ." ....+....0....+....0....+....0....+"
  4     0 S_H ! LISTB R->BASE ;
  5 : LISTR BASE->R DROP 4 1 GOTOXY
  6     ." 3         4         5         6     " 4 2 GOTOXY
  7     ." 0....+....0....+....0....+....0....+....0...."
  8     1 S_H ! LISTB R->BASE ;
  9 : BCK 0 L/SCR 2+ GOTOXY QUIT ;
 10 : PTR SCR  B/SCR * CUR  B/BUF /MOD ROT + BLOCK + ;
 11 : R/C CUR  C/L /MOD ;  ( --- COL ROW )
 12 : DELHALF PAD 64 BLANKS PTR PAD C/L R/C DROP - CMOVE ;
 13 R->BASE -->
 14
 15


Screen #104
  0 ( SCREEN EDITOR 09JAN85 DAA)  BASE->R  DECIMAL
  1 : .CUR CUR  C/L /MOD 3 + SWAP 4 + DUP S_H
  2   IF 32 > IF 29 - ELSE SCR  LISTL ENDIF
  3   ELSE 39 < 0= IF SCR  LISTR 29 - ENDIF
  4   ENDIF DUP EC ! SWAP DUP ER ! GOTOXY EC  ER  GCHR CC ! ;
  5 : DELLIN R/C SWAP MINUS +CUR PTR PAD C/L CMOVE DUP L/SCR SWAP
  6   DO PTR 1 +LIN PTR SWAP C/L CMOVE LOOP
  7   0 +LIN PTR C/L 32 FILL C/L * !CUR ;
  8 : INSLIN R/C SWAP DROP L/SCR +LIN 0 +LIN DUP 1+ L/SCR = 0= IF
  9   DUP 1+ L/SCR DO PTR -1 +LIN PTR SWAP C/L CMOVE -1 +LOOP
 10   ENDIF PAD PTR C/L CMOVE C/L * !CUR ;
 11 : RELINE R/C SWAP DROP DUP 13 EMIT LINE. UPDATE .CUR ;
 12 : +.CUR +CUR .CUR ;
 13 : TAB PTR DUP C 32 = 0= IF BEGIN CUR  1023 = IF 1 ELSE 1+ DUP
 14   1 +CUR C 32 = ENDIF UNTIL ENDIF BEGIN CUR  1023 = IF 1 ELSE
 15   1+ DUP 1 +CUR C 32 > ENDIF UNTIL DROP .CUR ; R->BASE -->


Screen #105
  0 ( SCREEN EDITOR 09JAN85 DAA)  BASE->R  DECIMAL
  1 : -TAB PTR DUP C 32 > IF BEGIN 1- DUP -1 +CUR C 32 = UNTIL
  2   ENDIF BEGIN CUR  IF 1- DUP -1 +CUR C 32 > ELSE 1 ENDIF UNTIL
  3   BEGIN CUR  IF 1- DUP -1 +CUR C 32 = DUP IF 1 +CUR ENDIF ELSE
  4   1 ENDIF UNTIL DROP .CUR ;     : !BLK PTR C! UPDATE 1 +.CUR ;
  5 : BLNKS PTR R/C DROP C/L SWAP - 32 FILL ;
  6 : FLIP S_H  IF -29 ELSE 29 ENDIF +.CUR ;
  7 : REDRAW SCR  S_H  IF LISTR ELSE LISTL ENDIF UPDATE .CUR ;
  8 : NEWSCR 0 SWAP LISTL !CUR .CUR ;
  9 : +SCR SCR  1+ NEWSCR ;
 10 : -SCR SCR  1- 0 MAX NEWSCR ;
 11 : DEL PTR DUP 1+ SWAP R/C DROP C/L SWAP - CMOVE 32
 12   PTR R/C DROP - C/L + 1- C! ;
 13 : INS 32 PTR DUP R/C DROP C/L SWAP - + SWAP DO
 14   I C LOOP DROP PTR DUP R/C DROP C/L SWAP - + 1- SWAP 1- SWAP
 15   DO I C! -1 +LOOP ; R->BASE -->
```

(continued page 19)

KIDS ********** ZERO

BREAKDANCING



This program is a re-print from " ENTER " by Travis Works of Ringold Georgia,on the TI 99/4A in basic. Press a number key and they change steps.Hold one key down four; keep dancing.

Thanks
SPITIT OF 99ers

```
10 RANDOMIZE
20 GOSUB 250
30 PRINT "BREAKDANCING!!!"
40 PRINT "HUMAN OR COMPUTER
CONTROL???"
50 INPUT CON$
55 CALL CLEAR
60 IF CON$="HUMAN" THEN 120
70 BD=INT(RND*5)+153
80 CALL KEY(0,W,E)
90 IF E=1 THEN 120
100 GOSUB 180
110 GOTO 70
120 CALL KEY(0,BD,N)
130 IF N=0 THEN 120
140 IF BD=32 THEN70
150 BD=BD+102
160 GOSUB 180
170 GOTO 120
180 CALL VCHAR(12,10,BD+(INT
(RND*2))+1)
190 CALL VCHAR(12,12,BD+(INT
(RND*2))+1)
200 CALL VCHAR(12,16,BD)
210 CALL VCHAR(12,20,BD+(INT
(RND*2))+1)
220 CALL VCHAR(12,22,BD+(INT
(RND*2))+1)
230 RETURN
240 GOTO 120
250 REM CHARACTERS
260 CALL CHAR(151,"000000000
4884438")
270 CALL CHAR(152,"000082443
8383854")
280 CALL CHAR(153,"0010FE383
84482")
290 CALL CHAR(154,"8090FC3A3
9484808")
300 CALL CHAR(155,"000000000
0847936")
310 CALL CHAR(156,"00107CBA7
C281808")
320 CALL CHAR(157,"142424783
8")
330 CALL CHAR(158,"41493E1C1
C2214")
340 CALL CHAR(159,"40281E1D1
41414")
350 RETURN
```

A SIMPLE MAIL LIST by George F. Steffen

This program is the result of a request for a very simple mail list program. It was designed to use the TI Writer for entry of data. To avoid the necessity of switching modules, the program has been written entirely in TI Console Basic.

The program includes commands to make it work on an Epson Printer. FL$ sets Form Length with the next character being the length. CT$(1) sets characters to normal width, emphasized and double strike. CT$(2) sets characters to compressed. RST$ returns the characters and form length to normal. No provision has been made for changing the line feed, so it will remain at the normal six lines per inch.

The program has provision for entering label height and width and single or double line feeds. Of course, with one inch labels and double line feeds, you are restricted to three lines per label. The program will discard any portion of a line which will not fit on the size label you have entered.

With this program, you can print continuouse labels from any number of different files. It will also print lists from these files. It will give you, on screen, the number of names in each list and the total. If you are listing, these figures will be placed at the end of the list.

The data for the labels or lists should be prepared using TI Writer. You should cancel WordWrap (Control O till you get a hollow cursor). The first line in each file--the file title--will not be printed. If you omit this title, the program will skip the first line of your first entry. Entires are seperated by New Page (Control 9) commands. Because page length on the printer has been set to label height, this puts the next entry on the next label. If you wish to add any printer commands to your data file(s), you may place them between the title line and the New Page entry which follows it. You should remember that this will cause the command to be effective in both label and list printing.

The program includes a stop label printing feature so that entries may remain on the list, but labels will not be produced for them. This is handy for those whose dues are not current, for example, but whom you expect to catch up. If the first line after the New Page is "END", the program will stop printing labels, but will continue if it is printing lists.

For easy entry of data, I recommend you first enter common data--perhaps city, state and zip code or membership status--for one entry and then duplicate it as needed with the Copy command. Leaving blank lines for the distinctive information also helps to speed entry. You can then go through and complete the information as necessary.

Below is a sample of a list for use by this program. "PC" indicates New Page and Carriage Return.

```
Membership Test List
PC
Jane Doe
123 E. Main St.
Anytown, CA 98765
PC
John Q. Public
P. O. Box 75
Los Angeles, CA 90001
PC
END END END END
Members who have not renewed
PC
Richard Roe
3298 Elm St.
Old Town, NY 12345
PC
```

NOTE! If you wish to use commas, leading spaces or trailing spaces within the addresses, the statement in Line 660 must be changed to LINPUT instead of INPUT and the program run in Extended Basic rather than Basic.

It will take practice to learn to position the labels so that the text will be entirely within one label. I suggest drawing lines on some ordinary computer printer paper to represent the label seperations and try centering the text between the lines. You should turn off the printer while lining up the labels and then turn it on before starting to print.

The program is available in the LA 99er Computer Group Library under the name LISTLABEL. I can not give a number because our chief librarian is on vacation.

```
100 REM LISTLABEL
110 REM SEE ACCOMPANYING TI
WRITER FILE WHICH GIVES INST
RUCTIONS.
120 DATA PRINT LABELS,PRINT
LISTS,END SESSION
130 FL$=CHR$(27)&"C"
140 CT$(1)=CHR$(27)&"E"&CHR$
(27)&"G"
150 CT$(2)=CHR$(15)
160 RST$=CHR$(18)&CHR$(20)&C
HR$(27)&"F"&CHR$(27)&"H"&FL$
&CHR$(66)
170 FOR I=1 TO 3
180 READ M$(I)
190 NEXT I
200 CALL CLEAR
210 PRINT TAB(8);"MAIL PRINT
ER"
220 FOR I=1 TO 3
230 PRINT :STR$(I);".  ";M$(
I)
240 NEXT I
250 PRINT
260 INPUT "CHOICE?  ":S
270 IF (S<1)+(S>3)THEN 260
280 ON S GOTO 290,440,990
290 PRINT
300 INPUT "LABEL HEIGHT (IN)
?  ":L
310 L=L*6
320 IF L=INT(L)THEN 350
330 PRINT "ERROR IN LABEL HE
IGHT."
340 GOTO 300
350 PRINT
360 INPUT "LABEL WIDTH (IN)?
  ":C
370 C=C*10
380 IF C<80 THEN 410
390 PRINT "ERROR IN LABEL WI
DTH."
400 GOTO 360
410 PRINT :"1.  SINGLE LINEF
EED":"2.  DOUBLE LINEFEED"
420 INPUT "CHOICE?  ":D
430 IF (D<1)+(D>2)THEN 420 E
LSE 460
440 L=66
450 C=132
460 PRINT
470 INPUT "FILE NAME FOR YOU
R PRINTER? ":P$
480 OPEN #2:P$,DISPLAY ,VARI
ABLE C,OUTPUT
490 PRINT #2:FL$;CHR$(L);CT$
(S);
500 PRINT :"FILE(S) TO BE PR
INTED?":"NULL ENTRY WILL TER
MINATE": :
510 I=1
520 INPUT STR$(I)&".  ":F$(I
)
530 IF F$(I)="" THEN 570
540 PRINT
550 I=I+1
560 GOTO 520
570 PRINT : :TAB(11);"PRINTI
NG": :
580 L=0
590 FOR J=1 TO I-1
600 PRINT STR$(J);".  ";F$(J
);
610 E=0
620 K=0
630 OPEN #1:F$(J),DISPLAY ,V
ARIABLE 80,INPUT
640 INPUT #1:L$
650 IF EOF(1)THEN 740
660 INPUT #1:L$
670 IF ASC(L$)>127 THEN 740
680 IF ASC(L$)<>12 THEN 720
690 ON S GOSUB 860,880
700 K=K+1
710 GOTO 650
720 ON S GOSUB 900,970
730 IF E=0 THEN 650
740 K=K-1
750 L=L+K
760 IF S=1 THEN 780
770 PRINT #2: :TAB(7):K;"ENT
RIES":
780 PRINT K;"ENTRIES": :
790 CLOSE #1
800 NEXT J
810 PRINT :TAB(6);"PRINTING
COMPLETED":L;"TOTAL ENTRIES"
: :
820 IF S=1 THEN 840
830 PRINT #2: : :TAB(7);"Tot
al Entries";L:RST$
840 CLOSE #2
850 GOTO 220
860 PRINT #2:L$
870 RETURN
880 PRINT #2
890 RETURN
900 IF SEG$(L$,1,3)<>"END" T
HEN 930
910 E=1
920 RETURN
930 PRINT #2:L$
940 IF D=1 THEN 960
950 PRINT #2
960 RETURN
970 PRINT #2:L$;"      ";
980 RETURN
990 END
```

MULTI COLUMN PRINTING and VARIABLE LENGTH LISTING by George F. Steffen

For the past several months I have used two programs to list programs in our newsletter 28 characters wide as they appear on the screen and three columns wide so they do not waste space. I received a request for the method and, at the same time, I saw a program to list programs on a wide printer. So i adapted my programs to be more versatile instead of single purpose.

VARYLIST will take a program listing and convert it to whatever line length you desire. There is one bug: if the listed line is an exact multiple of 80 characters in length, the next line will be appended to it. I can think of no simple solution to this and it is an infrequent occurence, so it remains in the program. This program works on a program LISTed to disk. If your desired length is 80 or less, the disk file will be opened as VARIABLE 80 so that it may be edited with TI Writer. If you wish to list to a wide printer, the file will be opened with the correct length.

MULTIPRINT will take a text file and output it to the printer in multiple columns so that it may be read in normal newspaper fashion, one column after another. You determine the number of columns, but you must inform the program of the length of the input text and the length of the output device. This program has no provisions to enable the output text to be edited. Editing must be done before using it.

Before using MULTIPRINT you should prepare your text file. You should first use VARYLIST or the Formatter of TI Writer to create a text file of the desired width. Then examine the file and delete any unneeded blank lines. Make sure that the number of lines is an exact multiple of the number of columns you will be using. Insert blank lines to reach this number. You may put these blank lines any place in the text, but they should be placed so as to form pleasing column breaks. If you have used the text formatter to print the file, you should use the Replace String command to change all Line Feeds (Control U, Shift J, Control U), Carriage Returns (Control U, Shift M, Control U) and New Page (Control U, Shift L, Control U) to spaces. Because the text is reformatted after these changes, be sure you are not in Word Wrap Mode when you do this. If you make the first line of your text longer than the line length you plan to tell the printer, it will print across the page as on this article. In this case, you must be sure that the first two lines of succeeding columns are blank. Then save the text file or print it to disk and run MULTIPRINT. The program is designed to accept 300 lines of text, enough for five columns of 60 lines each. If the number is increased too much, the computer will run out of memory.

The programs are listed herewith, each giving an example of itself. Both programs are available in the club library.

```
100 REM VARYLIST
110 REM THIS PROGRAM WILL CONVERT ANY PROGRAM LISTED TO DISK INTO A LISTING OF ANY WIDTH YOU DESIRE
120 REM IT MAY BE A 28 COLUMN LISTING SIMULATING A SCREEN LIST
130 REM IF LISTED TO DISK AND OUTPUT WIDTH IS 80 OR LESS, OUTPUT MAY BE EDITED WITH TI WRITER
140 REM IF A NUMBERED LINE IS EXACTLY 80, 160, OR 240 BYTES WHEN LISTED, THIS PROGRAM WILL COMBINE IT WIT
H THE FOLLOWING LINE
150 DATA 3,DSK,WDS,RD
160 CALL CLEAR :: PRINT TAB(11);"VARYLIST"
170 PRINT :: LINPUT "NAME OF INPUT PROGRAM LIST? ":IP$
180 PRINT :: LINPUT "NAME OF OUTPUT FILE         ":OF$ :: IF OF$=IP$ THEN PRINT :"INPUT AND OUTPUT NAMES
MUST BE DIFFERENT!" :: GOTO 170
190 PRINT :: INPUT "WIDTH OF OUTPUT FILE?  ":OW :: ODW=OW :: IF OW>79 THEN 220
200 READ N :: FOR I=1 TO N :: READ DN$ :: IF SEG$(OF$,1,LEN(DN$))=DN$ THEN ODW,I=80
210 NEXT I
220 OPEN #1:IP$,DISPLAY ,VARIABLE 80,INPUT :: OPEN #2:OF$,DISPLAY ,VARIABLE ODW,OUTPUT
230 FOR I=0 TO 9999 :: L1$=""
240 IF EOF(1)THEN I=I+10000 :: GOTO 250 ELSE LINPUT #1:L2$ :: IF LEN(L2$)=0 THEN GOTO 240 ELSE L1$=L1$&L2
$ :: IF LEN(L2$)=80 THEN GOTO 240
250 FOR O=1 TO LEN(L1$)STEP OW :: PRINT #2:SEG$(L1$,O,OW):: J=J+1 :: NEXT O :: NEXT I
260 CLOSE #1 :: CLOSE #2 :: PRINT :I-10000;"NUMBERED LINES":J;"OUTPUT LINES" :: END
```

(cont. from page 12)

```
100 REM MULTIPRINT
110 REM TI EXTENDED BASIC AN
D MEMORY EXPANSION
120 REM WILL PRINT MULTIPLE
COLUMNS OF ANY TEXT FILE
130 DIM L$(300):: CALL CLEAR
 :: PRINT TAB(10);"MULTIPRIN
T"
140 PRINT :: LINPUT "NAME OF
 INPUT FILE?          ":IF$ :
: INPUT "LENGTH OF INPUT LIN
ES?      ":LL
150 PRINT :: LINPUT "NAME OF
 PRINTER?             ":P$ ::
 INPUT "PRINTER LINE LENGTH?
  ":PL
160 PRINT :"COLUMN SEPARATIO
NS WILL BE  CALCULATED." ::
INPUT "LEFT AND RIGHT MARGIN
 SIZE? ":M :: INPUT "NUMBER
OF COLUMNS?  ":C
170 IF (2*(M+C-1)+C*LL)>PL T
HEN PRINT "WILL NOT FIT" ::
GOTO 160
180 OPEN #1:IF$,INPUT ,DISPL
AY ,VARIABLE :: FOR I=1 TO 3
00 :: IF EOF(1)THEN 210
190 LINPUT #1:L$(I):: IF ASC
(L$(I))>127 THEN L$(I)="" ::
 GOTO 210 ! DISREGARD TAB SE
TTINGS
200 NEXT I
210 CLOSE #1 :: S=INT((PL-(C
*LL+2*M))/(C-1))+LL :: M=M+1
 :: OPEN #2:P$,DISPLAY ,VARI
ABLE PL+1,OUTPUT
220 N=INT((I-1)/C):: FOR I=1
 TO N :: FOR J=0 TO C-1 :: P
RINT #2:TAB(J*S+M);L$(I+J*N)
;:: IF I=1 AND LEN(L$(1))>LL
 THEN J=C
230 NEXT J :: NEXT I :: CLOS
E #2 :: END
240 STOP
```

<*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*><*>

Keyboard Conversion

courtesy TOM FREEMAN

49	50	51	52	52	54	55	56	57	48	61		SHIFT UP
33	64	35	36	37	94	38	42	40	41	43		SHIFT DOWN
1	2	3	4	5	6	7	8	9	0	=		
3	4	7	2	14	12	1	6	15	188	5		FTCN
177	178	179	180	181	182	183	158	159	176	157		CTRL
	113	119	101	114	116	121	117	105	111	112	47	
	81	87	69	82	84	89	85	73	79	80	45	
	Q	W	E	R	T	Y	U	I	O	P	/	
	197	126	11	91	93	198	95	63	39	34	186	
	145	151	133	146	148	153	149	137	143	144	187	
		97	115	100	102	103	104	106	107	108	59	13	
		65	83	68	70	71	72	74	75	76	58	13	
		A	S	D	F	G	H	J	K	L	;	ENTER	
		124	8	9	123	125	191	192	193	194	189	13	
		129	147	132	134	135	136	138	139	140	156	13	
		122	120	99	118	98	110	109	44	46			
		90	88	67	86	66	78	77	60	62			
SHIFT		Z	X	C	V	B	N	M	,	.		SHIFT	
		92	10	96	127	190	196	195	184	185			
		154	152	131	150	130	142	141	128	155			
						32							
						32							
	CTRL					SPACE						FCTN	
						32							
						32							

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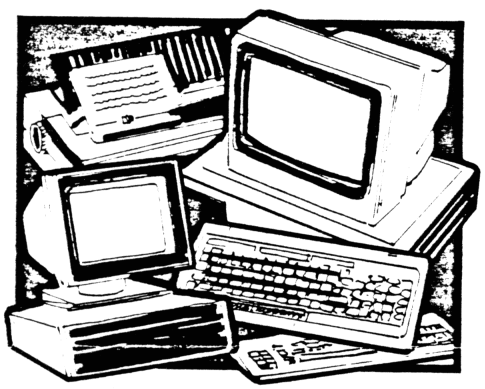

PC's modems, monitors, printers, software, books, games . . . you name it! More than 150 exhibitors will be selling the largest variety of personal computer products ever seen under one roof at Southern California's Fourth Giant Computer Sellathon and Expo '85.

Computer Sellathon and Expo '85 is Saturday and Sunday, October 19th & 20th, 1985. Hours are 10 a.m. to 5 p.m. Saturday and 10 a.m. to 5 p.m., Sunday. Admission is just $6.00. Children under 12, $3.00. One admission good for both days.

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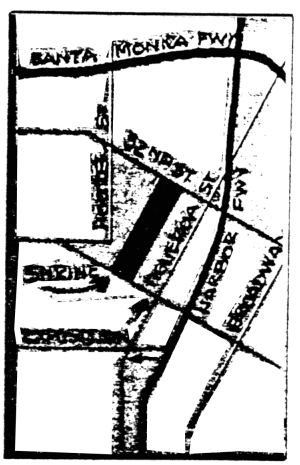

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BITMAC disk media software was designed for use with the TI-99/4A home computer. It is written in TMS9900 machine language for the utmost in speed and program function. The program provides bit precision graphics generation and editing. Some of the features are:

Line, rectangle, circle, copy section, mirror, rotate, reverse video, free hand draw, 9 brush sizes, 16 colors, bit "on" color, bit "off" color, screen color, color test area, 40 column text, text on text, text on graphics, 16 color text, upper and lower case, 4 direction bit scrolling, dump to printer (two sizes), save to disk, boolean graphics enhancement, "LIFE" graphics enhancement, second computer input, X Y vector reporting, monochrome and color monitor support, trackball support, single bit erase, single bit placement, block erase, erase colors, erase all, fill, enlarge, reduce, "slide show", "oops" function.

BITMAC is icon driven and is simple to use. Included are extensive documentation, an example coprocessor program and one year warranty.

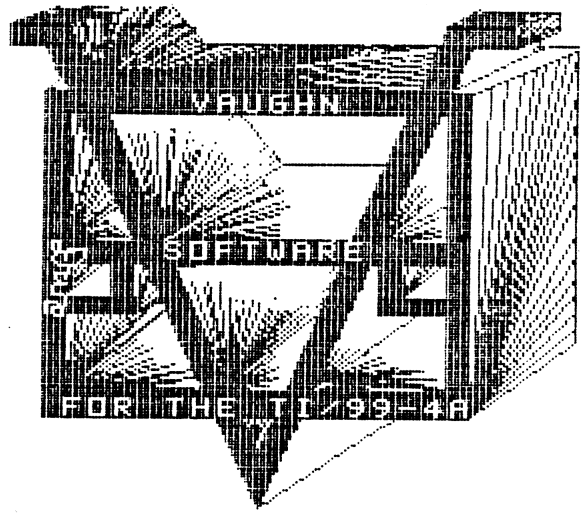
REQUIRED EQUIPMENT: Extended basic, Mini Memory or Editor Assembler module, a display monitor, joysticks, TI-99/4A computer, memory expansion and a disk drive system. THE PROGRAM MAY NOT BE COMPATIBLE WITH SOME VERSIONS OF THE MYARC DISK CONTROLLER.

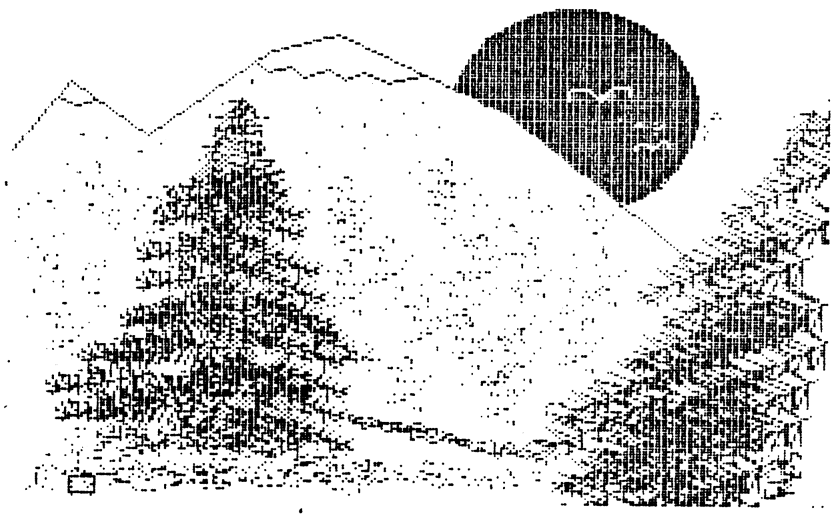
OPTIONAL EQUIPMENT: TI, Gemini or Epson printer, RS232 card, trackball, up to 5 disk drives (limited by the disk controller), second computer (any make) with RS232 interface and cable.

To Order: Send check or money order for $28.95 plus $2.00 shipping and handling to:

VAUGHN SOFTWARE
5460 Harlan #84
Arvada, CO 80002

For other inquiries please include a self addressed stamped envelope.





Also available: PRINTPACK1 adds nine additional large sideways "banner" screen dumps for your BITMAC data base. Same equipment required as BITMAC, except that Extended Basic is not supported. Direct from Vaughn Software only! $10.00 plus $2.00 shipping and handling. Bitmapped graphics in a really BIG format! Expands printer compatibility too!

BITMAC

By Vaughn Software

For the

TI-99/4A COMPUTER

Aug. 23, 1985

To: CG LA 99ER'S

Subject: Accounting System Servey

I use my 99/4A for accounting purpose. It is important for me to find the best solfware or else get another computer. I have never seen any articals on accounting programs. It is possible to spend up to $700 on a full system. This makes for the most expensive TI solfware available. I have found that the cost of the systems does not necessarly relate to quality. This is most true for certain applications.

It is not possible to buy all accounting programs to fine the right one so some type of summary would be heplful. I am familiar with three GL programs and have read the documentation of others. When it comes to larger systems the the GL may not be as important as Billing or Accounts Receivable.

Things to look for are automatic defaults for date, account numbers and amounts. Preset function keys are also good. Will the system roll over for the next year without rekeying the chart of accounts or customer data base ie. #, name, Address, phone etc.

Here is a sample of what I am looking to share sould you be so kind as to have your members write to me with their experiences and knowledge of good and bad points.

Futura GL - Easy to use, but does not allow sub-totaling of more then two expense categories. It is slow because it requires may disk inquires. I is very professional.
Futura Bill, Accounts receivable ETC. ?????????

Sound Design - Easiest to use and is the only systems with budgets and variences. It is fast to set up and use, but does not provide Trial-balances. Don't know if it is still on the market.

IUG GL ?????????
IUG Accounts receivable - A real bargan in that it works well is easy to set up and can be rewitten for you own improvements. Does not intigrate to other programs.

AMA GL, Billing, and Inventory ????????
AMA A/R - Statements are good and easy to set up but don't print overpayments by customers (how convient).

Pike Creek GL Looks like a night mare. Is it worth the effert to try and learn how to run it?
Pike Creek A/R, Billing, Inventory???????? Has anyone got past the GL to try and run these programs?

Ucan Have not seen any thing on this yet.

Some of these programs may be good for small businesses or certain types of service businesses. What is now a new factor is will these programs work with Foundations 128K Card with out rewriting the programs which the auther does not want you to do. The Myarc card may not require any changes and may be the card to use if you run large account systems. Has anyone ued any of these on hard disk systems. This should provide something for those of us who are looking for the best system to look into before buying more programs oo cards that may not work with these programs as we might expect they would.

I would appreciate if the reader of this letter would pass it on to someone who uses accounting programs and who would like to share their experiences and may be chart of accounts set uo for various types of businesses. I do apt. and condo accounting and try to get extra expense categories for sub-totaling ie Gardening, Pool, Recroom etc.

Thanks,

Jim Sleeth
2134 VALLEY VIEW BLVD.
EL CAJON, CA 92021
(619)588-5253

Hook Up Your Computer To The TV Without Interference by Dale Mann "Micro"

Your TV works fine. So does your computer. But connect one to the other and your screen display goes haywire.

A cheap and easy solution: Replace the cable that connects the TV to the computer with another that's the same type but long enough to allow 24 inches of slack. Wind it in a coil around a cardboard tube (such as a paper towel core) until you reach 10 or more turns. Make sure the turns are even and tightly spaced, and lie flat (don't overlap one turn of the cable onto another). Wrap a sturdy layer of tape or foil around the coil to prevent it from coming unwound.

Place the coil near the back of the TV next to the antenna lead-in terminals. Connect the ends of your cable to the TV and the computer in the usual manner.

Voila! The coil acts as a directional antenna, which you can aim to minimize the effects of broadcast interference. You will have to play with angle to perfect screen display.

If you have an Okidata or are thinking about an Okidata, this information may be useful. Okidata publishes "TIPS" for different CPU's. The following is a list for the 99/4A, and comes to us courtesy of Tom Hall.

Description	TIP #
TEXAS INSTRUMENTS TI-99/4A	3030
TEXAS INSTRUMENTS TI-99/4A INSTALLATION GUIDE	3042
TEXAS INSTRUMENTS TI-99/4A W/SUPER SPEED RS232C	3061
TEXAS INSTRUMENTS TI-99/4A	3074
TEXAS INSTRUMENTS TI-99/4A USING TI-WRITER	3086

These tips are free for the asking. Write OKIDATA
CUSTOMER SUPPORT
532 FELLOWSHIP ROAD
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If you can't wait call: 609-235-2600

THANKS TO NORTH EAST TARRANT

TI FORTH NOTES...issue No.4 is ready!

Below is the LIST OF CONTENTS of the L.A.99ers' latest compilation, TI FORTH NOTES, VOL. 1 NO. 4. Are you on our mailing list?

Chick De Marti

THE POWER OF FORTH	Jim Syzdlowski	2
TRANSPORTING FORTH (re Doctor Dobb's Journal $95)	Mike Anderson	2
DISK CLONE ROUTINE	Computer Bridge	3
THE FORTH PAGE (A Look the FORTH inner interpreter)	Greg Goodwin Hoosier U.G.	3
MISC.ARTICLES OF INTEREST (Inc. DEBUGS and a Tranfer Prog.)	Tom Freeman L.A.99ers(Valley)	4 5
New 'LISTA' (You'll want this idea!).	J. W. Vincent Lehigh Newsletter	6
HACKING FORTH (Tutorial on "recursive" fuctions)	Mike McCann Omaha TI U.G.	7
TO/FROM VAR/80 FILES (Utility program)	J. W. VINCENT Milwaukee Area U.G.	8
TI FORTH MUSIC (Excellent system of notation)	John Forsberg SouthEast Florida Sig	9 10
FORTH AUTO-DECIMALING (Utility Program)	by Gene (sorry)	11
Going FORTH (Auto-repeating cursor)	David A.Aragon	12 13
MACHINE SIMULATOR (An interesting program.)	(Contributor & Author unknown)	14 15
Rambling in FORTH (Interesting & novel use of the printer.)	Ted Andersen	15 16
MUSIC IN FORTH (Idea taken from WYCOVE FORTH>)	Hector Santos L.A.99ers	17 18
THE FORTH TERMINAL EMULATOR (Short and sweet!)	(Author not listed) Witchata NETWORK-99	19 20

```
Screen #106
  0 ( SCREEN EDITOR 09JAN85 DAA) BASE->R HEX
  1 : VED BOX SWAP CLS LISTL !CUR .CUR BEGIN RKEY CASE
  2    OF OF BCK                ENDOF  01 OF DELHALF BLNKS RELINE ENDOF
  3    08 OF -1 +.CUR           ENDOF  02 OF +SCR                 ENDOF
  4    0A OF C/L +.CUR          ENDOF  0C OF -SCR                 ENDOF
  5    0B OF C/L MINUS +.CUR    ENDOF  03 OF DEL RELINE           ENDOF
  6    09 OF 1 +.CUR            ENDOF  04 OF INS RELINE           ENDOF
  7    0D OF 1 +LIN .CUR        ENDOF  07 OF DELLIN REDRAW        ENDOF
  8    0E OF FLIP               ENDOF  06 OF INSLIN REDRAW        ENDOF
  9    7F OF -TAB               ENDOF  16 OF TAB                  ENDOF
 10    1E OF INSLIN BLNKS REDRAW ENDOF
 11    DUP 1F > OVER 7F < AND IF DUP EMIT DUP !BLK ELSE 7 EMIT ENDIF
 12    ENDCASE AGAIN : FORTH DEFINITIONS
 13 : WHERE EDITOR4 B/SCR /MOD SWAP B/BUF * ROT + 2- VED ;
 14 : EDIT EDITOR4 0 VED ;  : ED EDITOR4 SCR  EDIT ;
 15 R->BASE
```

Mike Schultz

****

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THANKS TO "MICRO"

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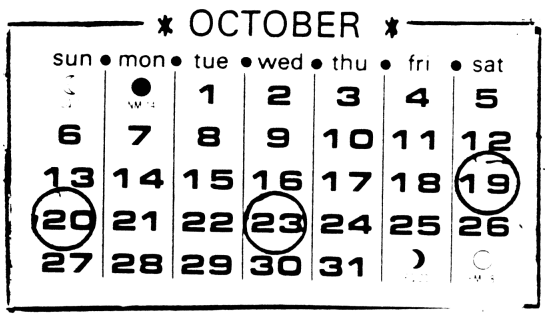

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RENEW YOUR MEMBERSHIP

CLUB MEETINGS

Los Angeles 99er Computer Group: Fourth Wednesday of each month, 7:15 PM, at Torrance Library, 3031 Torrance Blvd.,Torrance

Pomona Valley 99ers Computer Group: Second Tuesday of each month, 7:00 PM at Cable Airport Cafe, 13 & Benson, Upland. Call Joy Warner 982-9971 nights.

San Fernando Valley 99er Computer Group: Second Tuesday each month 7:30 PM in Doctors Conference Room, Sherman Oaks Community Hospital 4929 Van Nuys Blvd.,Sherman Oaks.

San Gabriel Valley 99/4 Users Group: First Wednesday of each month at West Covina Public Library, 1601 W. Covina Parkway, West Covina

Users Group of Orange County: Third Thursday of each month, 7:00 PM at Westminster Community Service Center (1 block E. of Beach Blvd) Jackson and Westminster, Westminster, Ca

An astrisk after your name on the mailing list indicates that your membership has expired and this is the last issue of the newsletter that you will receive. To insure that you remain on the mailing list you may mail in your membership renewal fee. If you have any questions, contact your club treasurer or any other officer.

Board Meetings for the LA 99ers is held on the 1st Tuesday of each month at MERIT SAVINGS at 18501 Western Ave. Gardena The meeting starts at 7:15. *** EVERYONE IS INVITED ***

FIRST CLASS

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